

1 MELALCRWG LLLALLPBG A STQVCTGTD MKLRLPASPE THLDMLRHLY QGCQVQGNL ELTYLPTNAS LSFLODIOEV QGYVLIAHNQ VRQVPLQRLR
101 IVRGTOFLFED NYALAVLDNG DPLNNTTPTVT GASPGGLREL QLRSLTEILK GGVLIQRNPQ LCVQDTILMK DIFHKNNQLA LTLIDTNRSR ACHPCSPMCK
201 GSRCWGESSE DCQSLTRTVC AGGCARCKGP LPTDCHEQC AAGCTGPKHS DCLACLHFNH SGICELHCPA LVTYNTDTFE SMPNPEGRYT FGASCVTACP
301 YNYLSTDVGS CTIVCPHLNQ EVTAEDGTQR CEKCSKPCAR VCYGLGMEHL REVRAVTSAN IQEFAGCKKI FGSIAFLPES FDGDPASNTA PLQPEQLQVE
401 ETLEEITGYL YISAMPDSL P DLVFEQNLQV IRGRILHNGA YSLTLQGLGI SWLGLRSLRE LSGLALIIH NTHLCEVHTV PMDQLFRNPH QALLHTANRP
501 EDECVGEGLA CHQLCARGHC WGPPTQCVN CSQFLRGQEC VEECRVLQGL PREYVNAHHC LPCHPECQPO NGSVTCFGEPE ADQCVACAHY KDPFPCVARC
601 PSGVKPDL SY MPIWKFPDEE GACQPCPINC THSCVDLDDK GCPAE (SEQ ID NO: 13)

Fig. 1A

09602300.062300

00E290"00320950

7C2 aa 22-53 (31 residues)
7F3 aa 22-53 (31 residues)
2C4 aa 22-584 (562 residues)
7D3 aa 22-584 (562 residues)
3E8 aa 512-625 (113 residues)
4D5 aa 529-625 (96 residues)
2H11 aa 529-645 (116 residues)
3H4 aa 541-599 (58 residues)

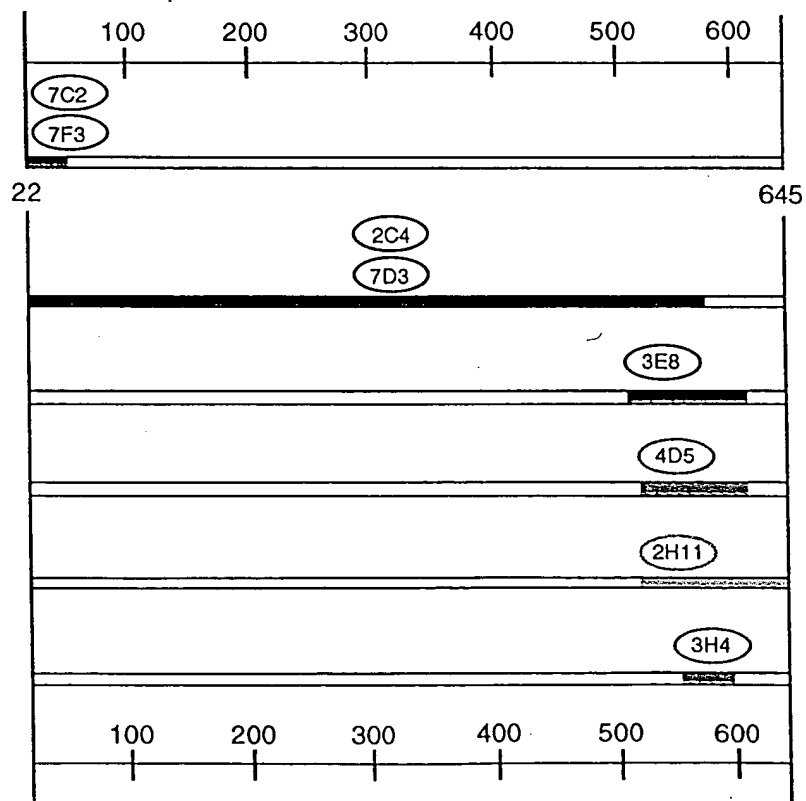


Fig. 1B

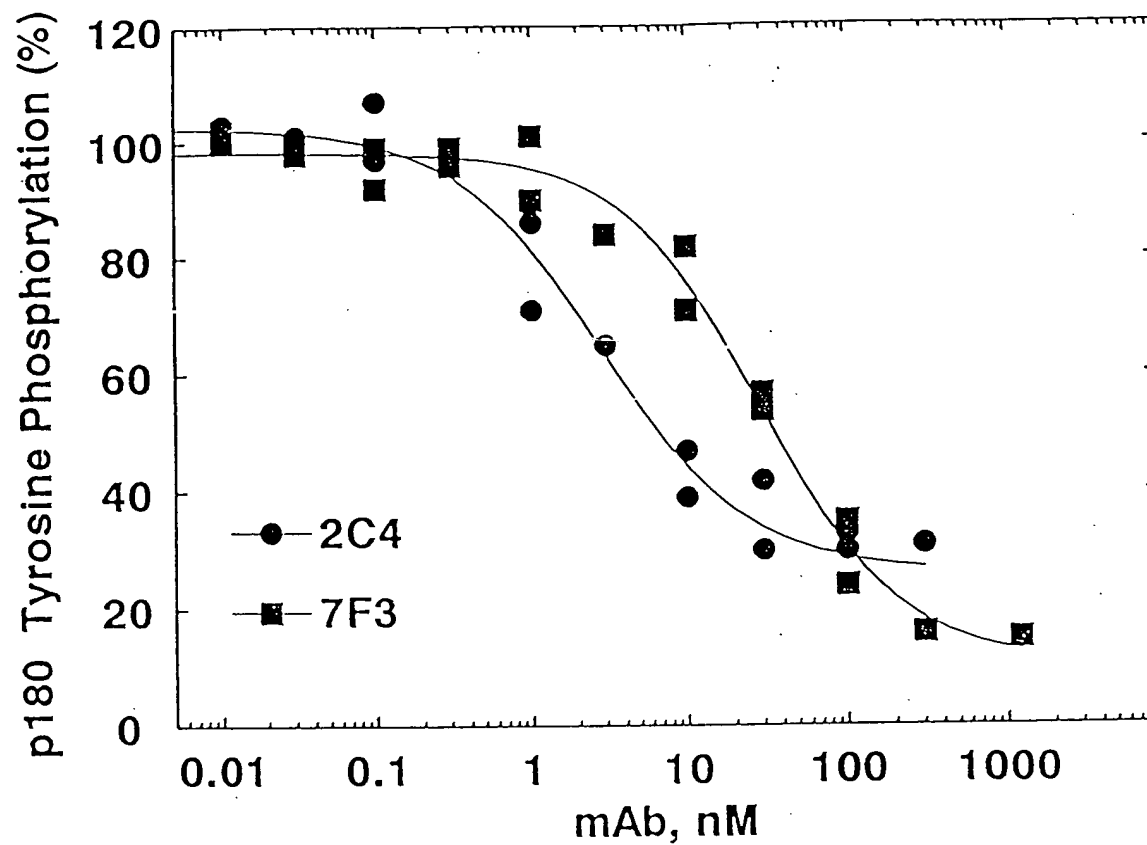


Fig. 2A

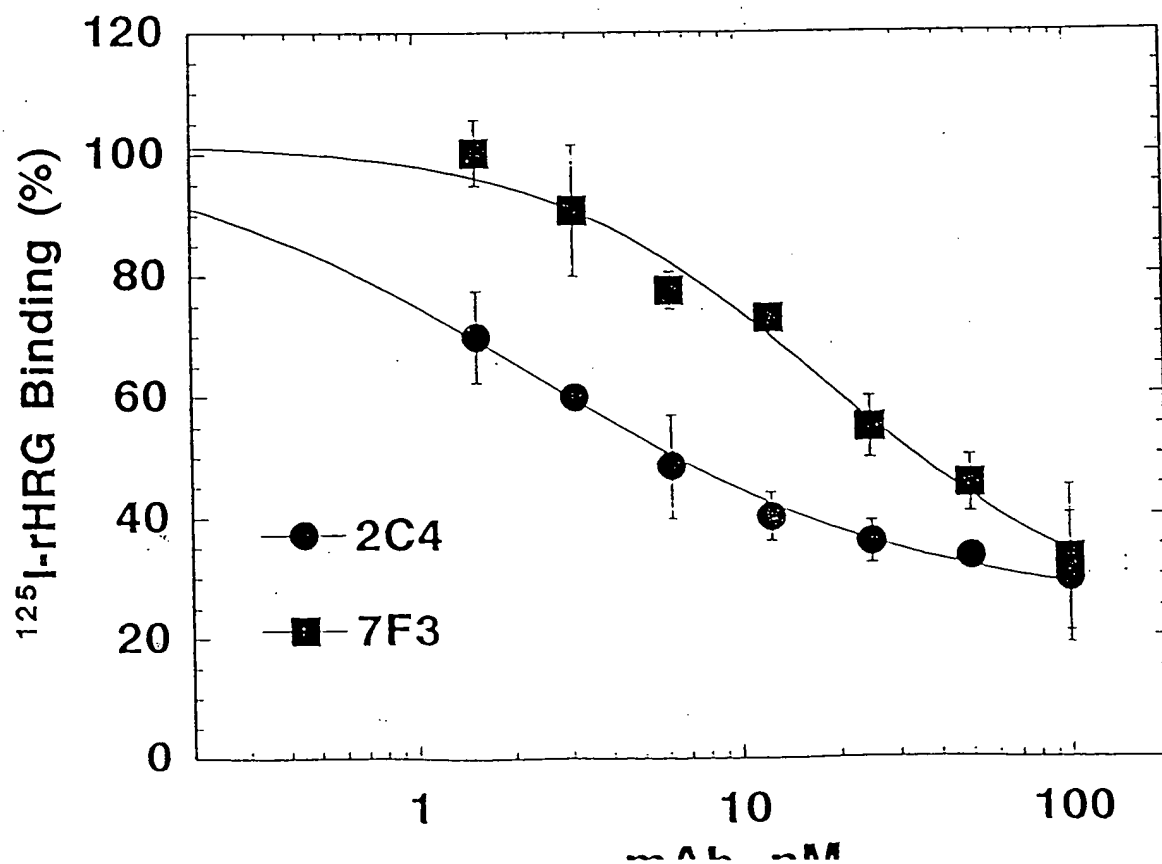


Fig. 2B

000250" 00320960

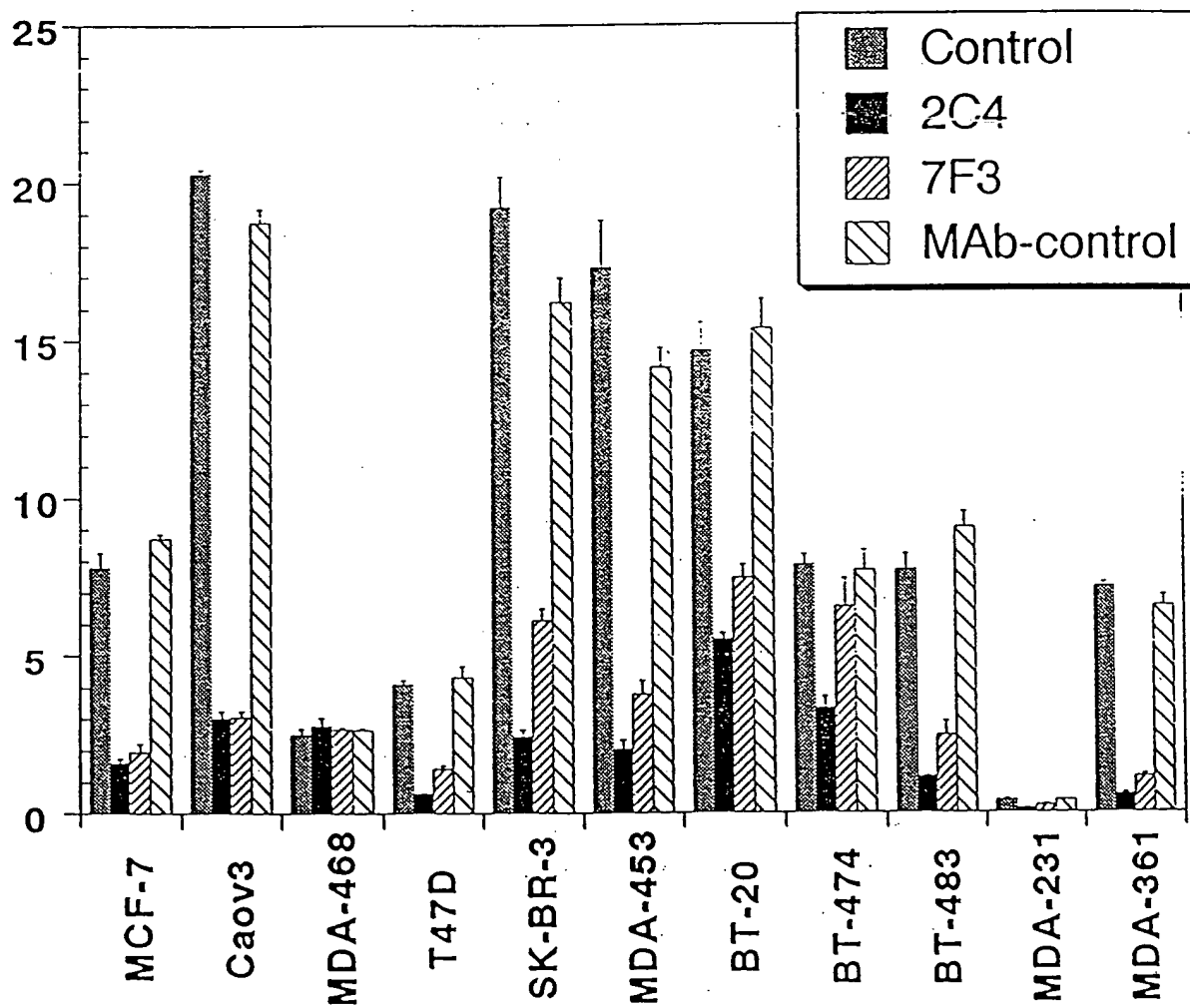


Fig. 3

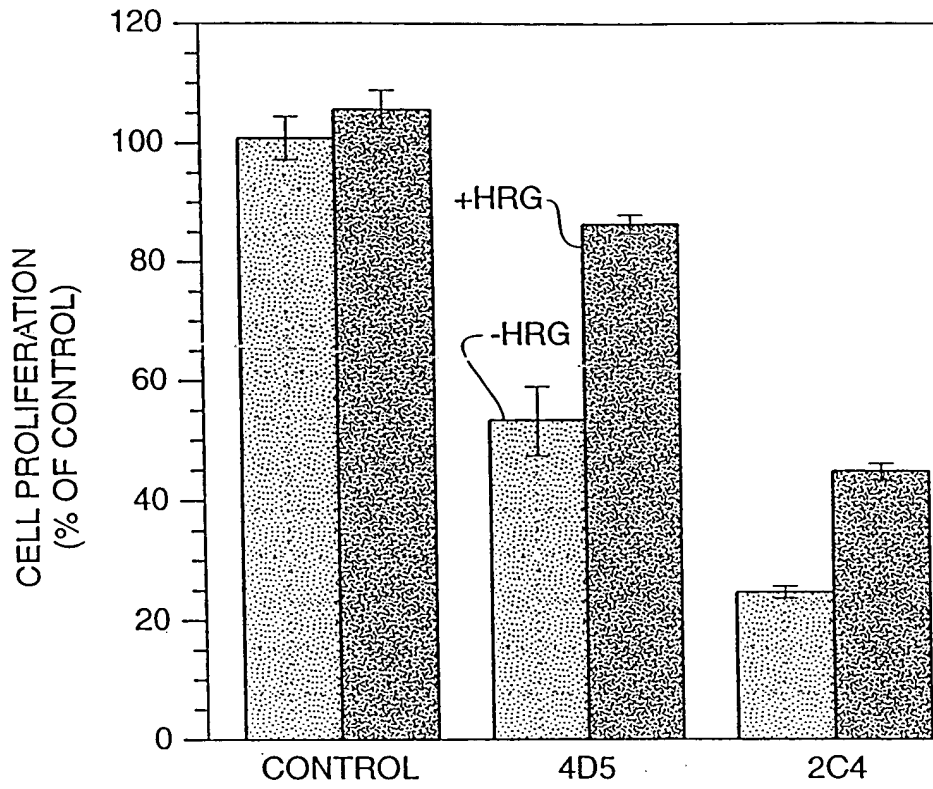


Fig. 4A

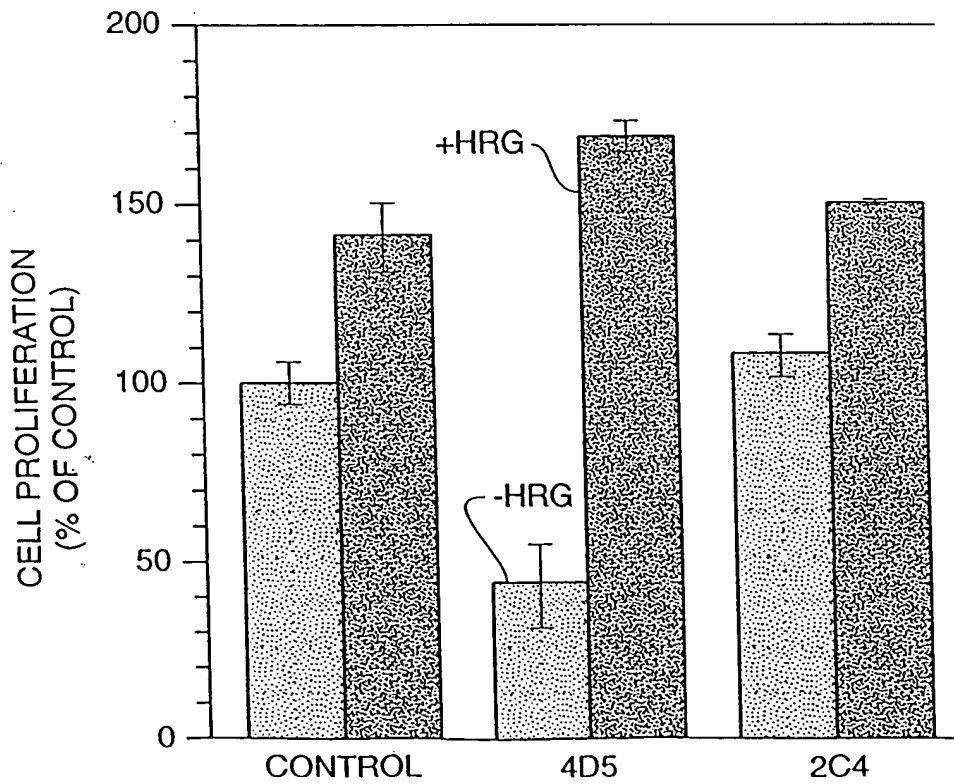


Fig. 4B

Fig. 5A

MCF7
Low/Normal HER2

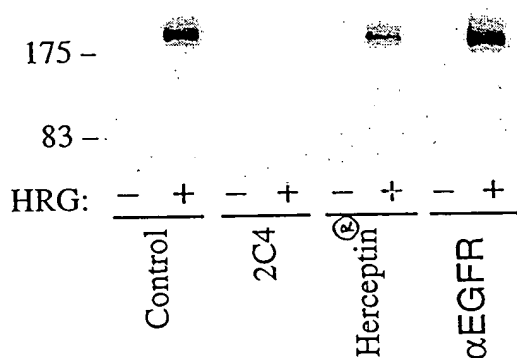
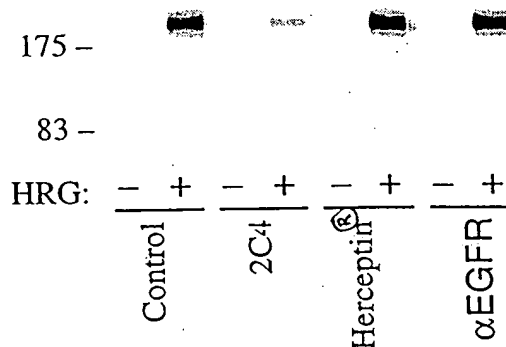


Fig. 5B

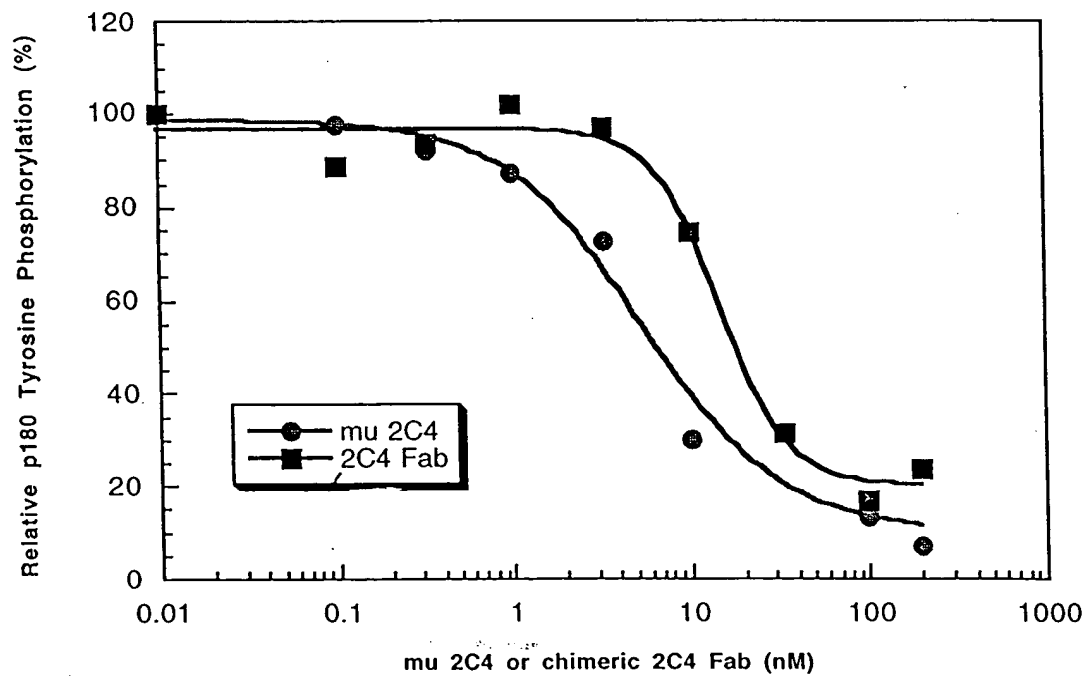
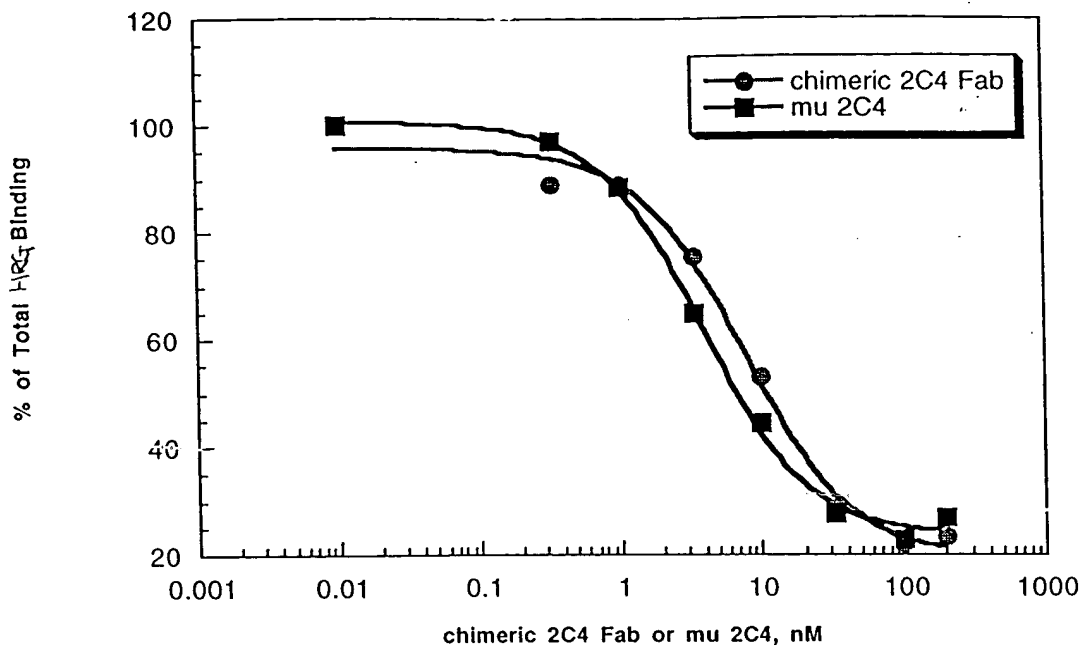
SK-BR-3
High HER2



IP: αHER2

WB: αHER3

00E290" 00820960

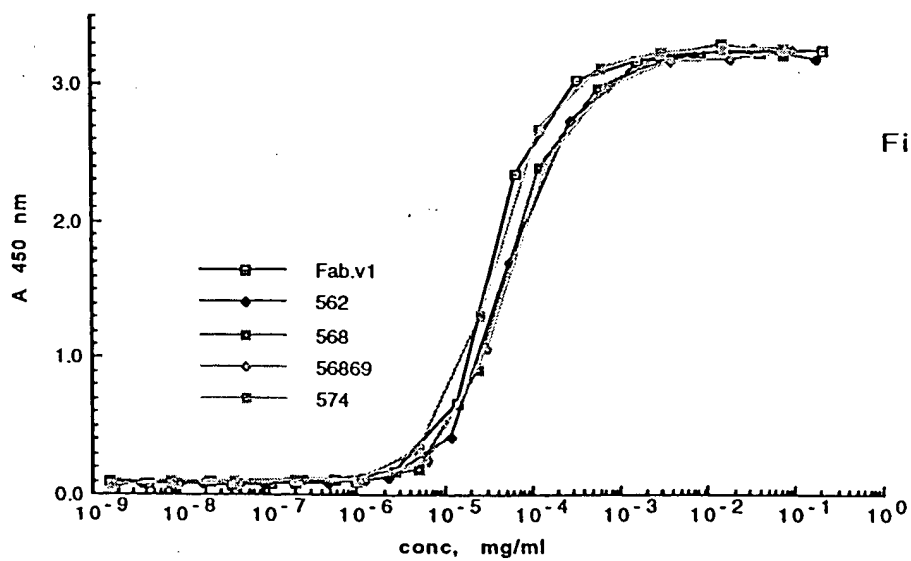
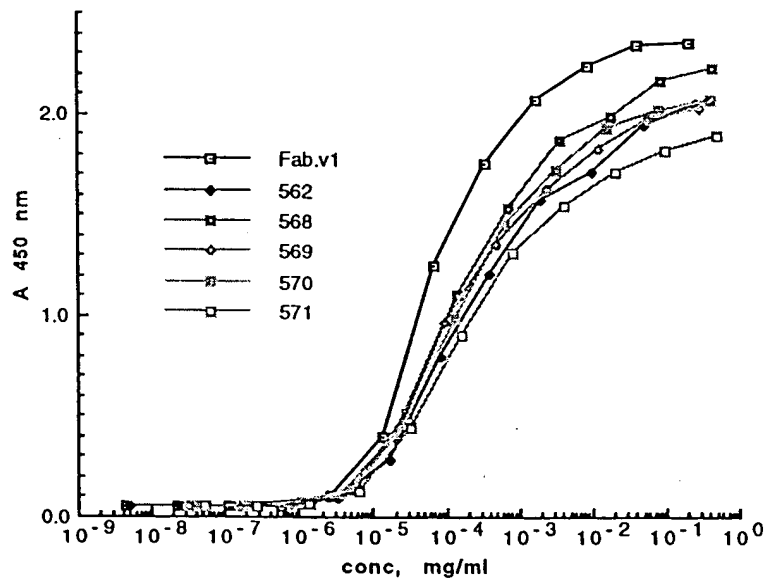
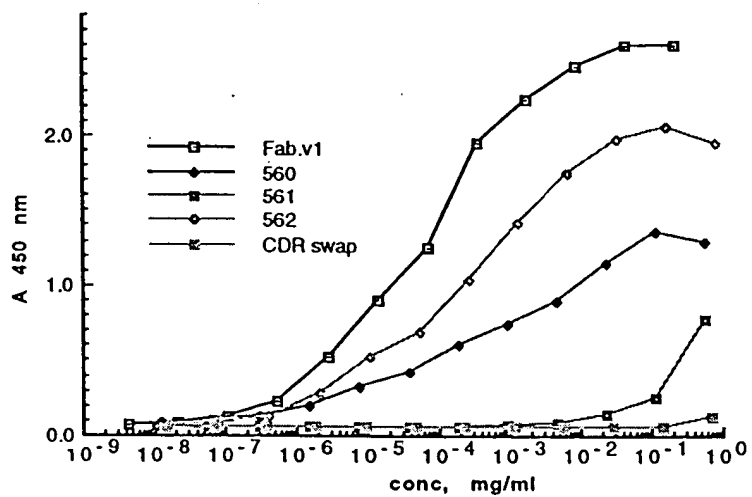


090607

Fig. 7B: Variable Heavy

		10	20	30	40	
2C4		EVQLQQSGPELVKPGTSVKISCKAS	[GFTFTDYTMD]	WVKQS		
		** ** *	* ** *		* *	
574		EVQLVESGGGLVQPGGSLRLSCAAS	[GFTFTDYTMD]	WVRQA		
			** * *			
hum III		EVQLVESGGGLVQPGGSLRLSCAAS	[GFTFSSYAMS]	WVRQA		
		50	a	60	70	80
2C4		HGKSLEWIG	[DVNPNSGGSIYNQRFKG]	KASLTVDRSSRIVYM		
		* * **		*** * **** *		
574		PGKGLEWVA	[DVNPNSGGSIYNQRFKG]	RFTLSVDRSKNTLYL		
			***** ** *	* * *		
hum III		PGKGLEWVA	[VISGDGGSTYYADSVKG]	RFTISRDN SKNTLYL		
		abc	90	100ab	110	
2C4		ELRSLTFEDTAVYYCAR	[NLGPSFYFDY]	WGQGTTLTVSS	(SEQ ID NO:2)	
		*** **		**		
574		QMNSLRAEDTAVYYCAR	[NLGPSFYFDY]	WGQGTTLTVSS	(SEQ ID NO:4)	

hum III		QMNSLRAEDTAVYYCAR	[GRVGYSLYDY]	WGQGTTLTVSS	(SEQ ID NO:6)	



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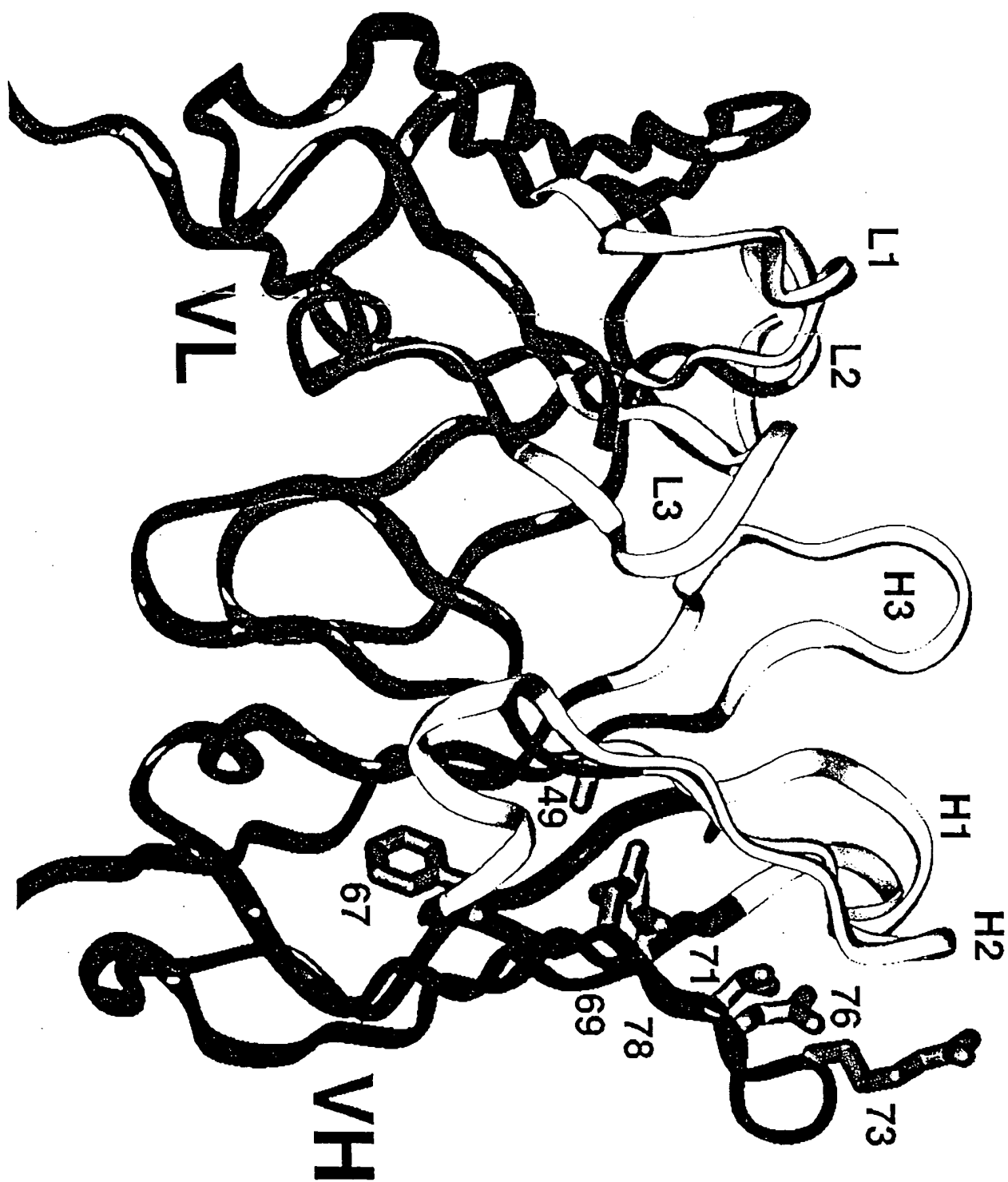
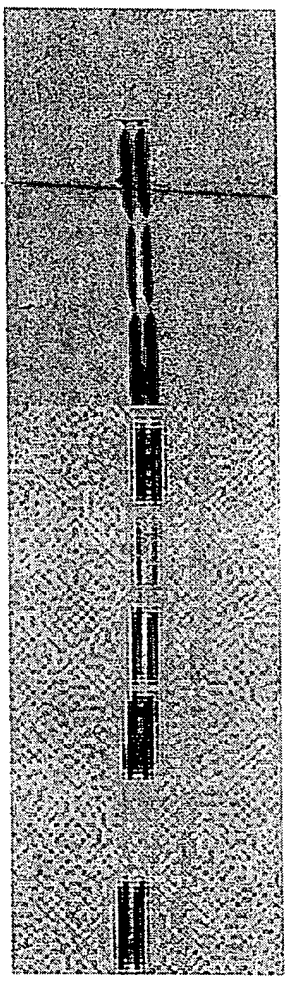


Fig. 9

Fig. 10



EGF	-	+	+	+	-	-	-	-	-
TGF α	-	-	-	-	+	+	+	-	-
HRG	-	-	-	-	-	-	+	+	+
2C4	-	-	+	-	-	+	-	+	-
HERCEPTIN [®]	-	-	-	+	-	-	+	-	+

Figure 1 consists of two bar charts sharing a common x-axis labeled "Days post treatment" with values 0, 9, and 21. The top chart shows the "Number of eggs" on the y-axis, ranging from 0.0 to 2.5. At day 0, there are two bars: a white bar at approximately 1.0 and a black bar at approximately 1.0. At day 9, there are two bars: a white bar at approximately 0.5 and a black bar at approximately 2.0. At day 21, there are two bars: a white bar at approximately 0.3 and a black bar at approximately 2.3. The bottom chart shows the "Number of larvae per egg" on the y-axis, ranging from 0 to 15. At day 0, there are two bars: a white bar at approximately 1.0 and a black bar at approximately 1.0. At day 9, there are two bars: a white bar at approximately 1.0 and a black bar at approximately 14.0. At day 21, there are two bars: a white bar at approximately 1.0 and a black bar at approximately 14.0. Error bars are present on all bars.

Days post treatment	Number of eggs (White bar)	Number of eggs (Black bar)	Number of larvae per egg (White bar)	Number of larvae per egg (Black bar)
0	~1.0	~1.0	~1.0	~1.0
9	~0.5	~2.0	~1.0	~14.0
21	~0.3	~2.3	~1.0	~14.0

Fig. 12B

Fig. 13

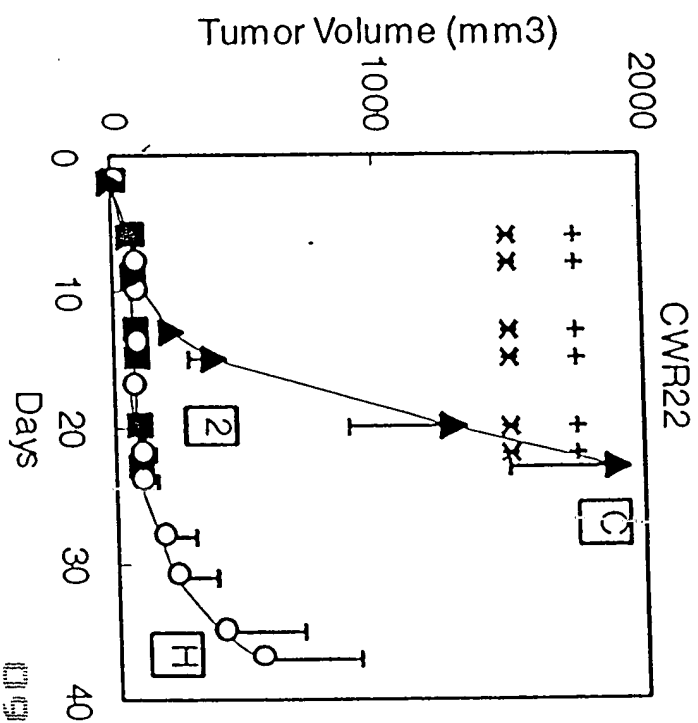


Fig. 14

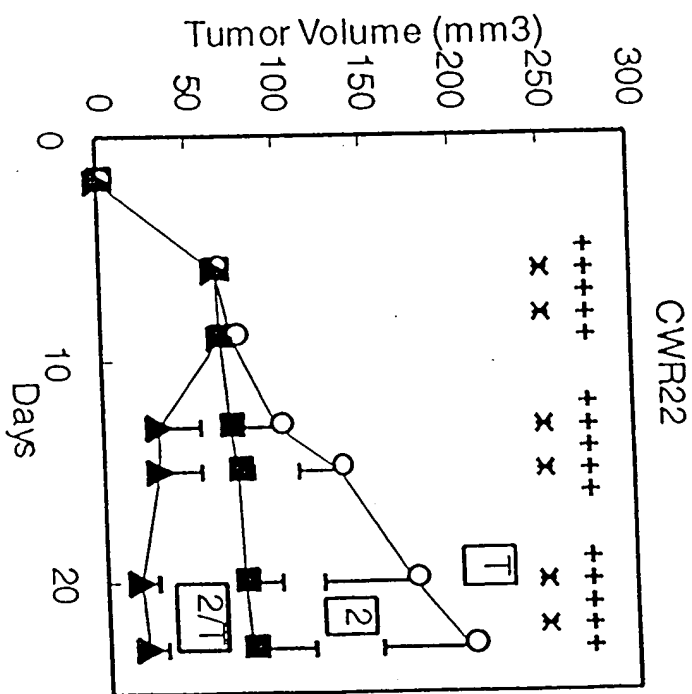


Fig. 15

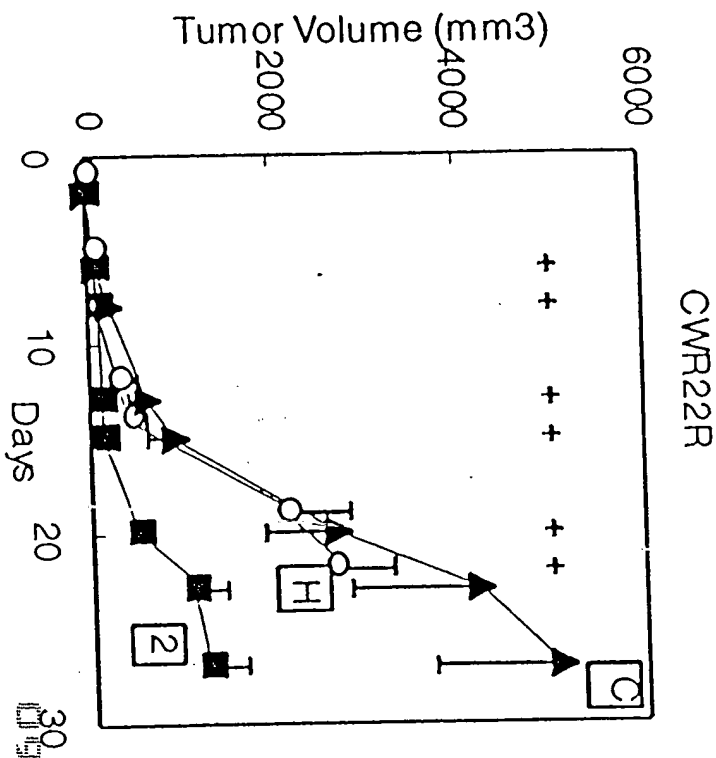


Fig. 16

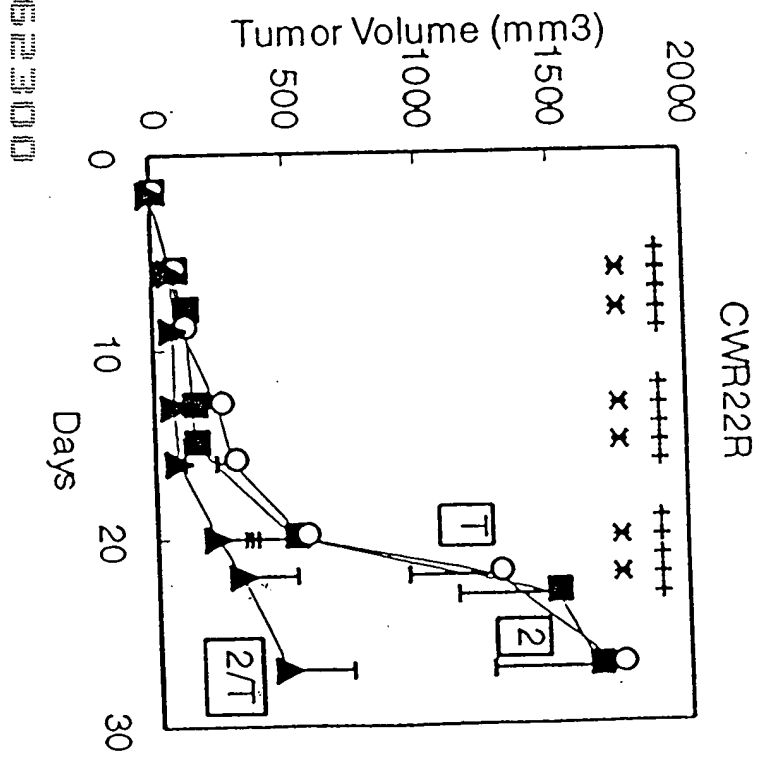


Fig. 17

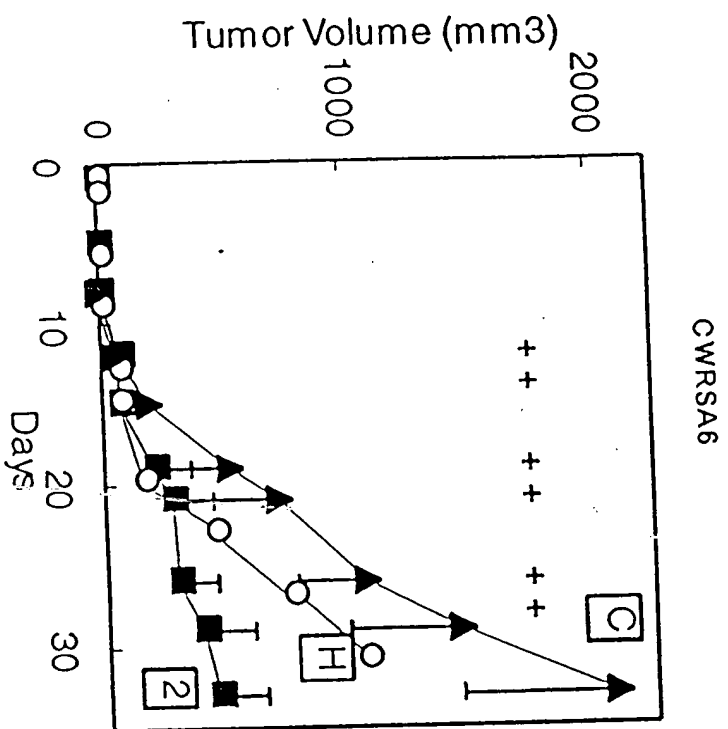
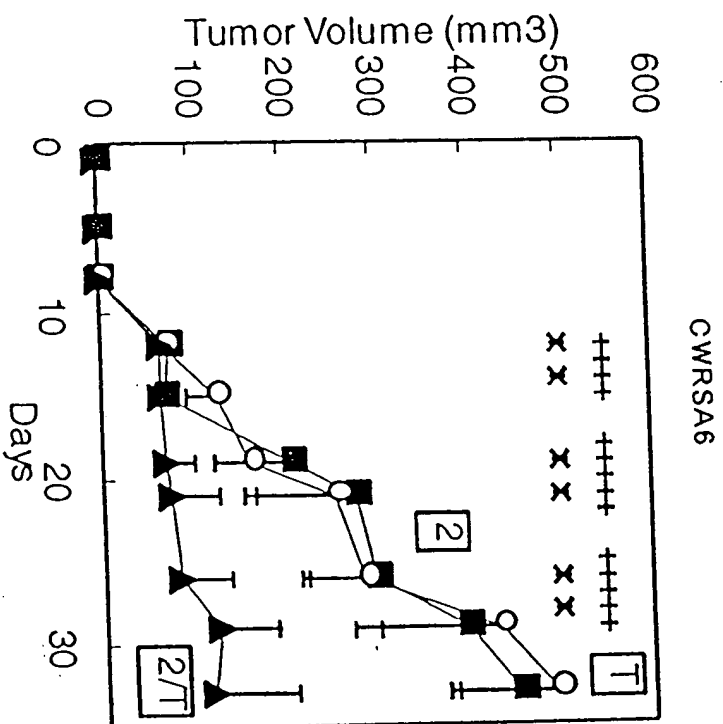


Fig. 18



Relative TGF- α mRNA Expression

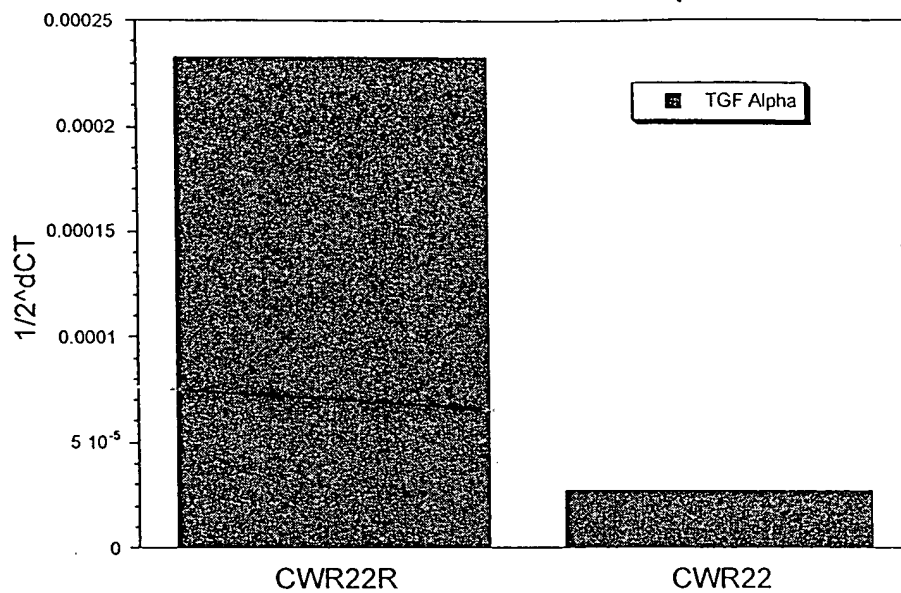


Fig. 19

Relative HB-EGF mRNA Expression

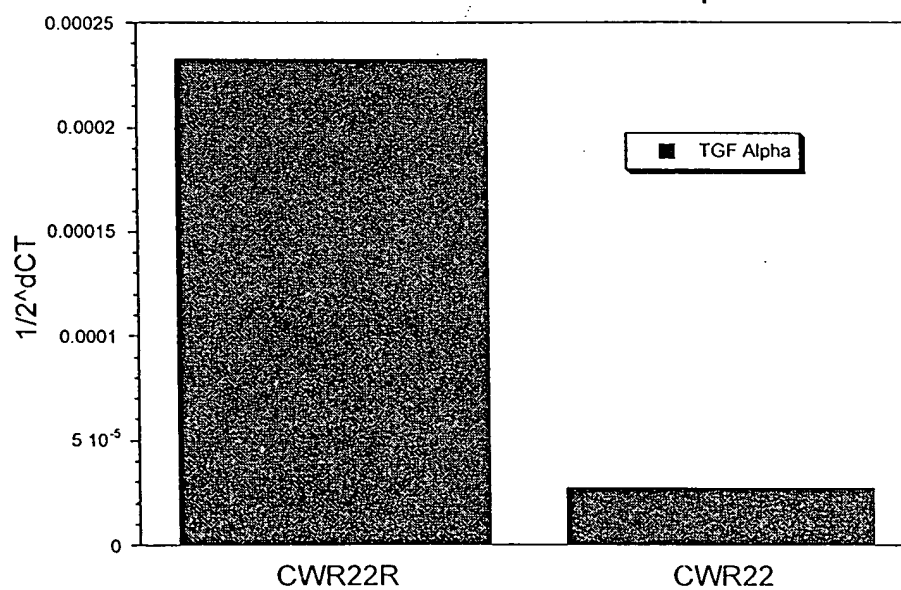
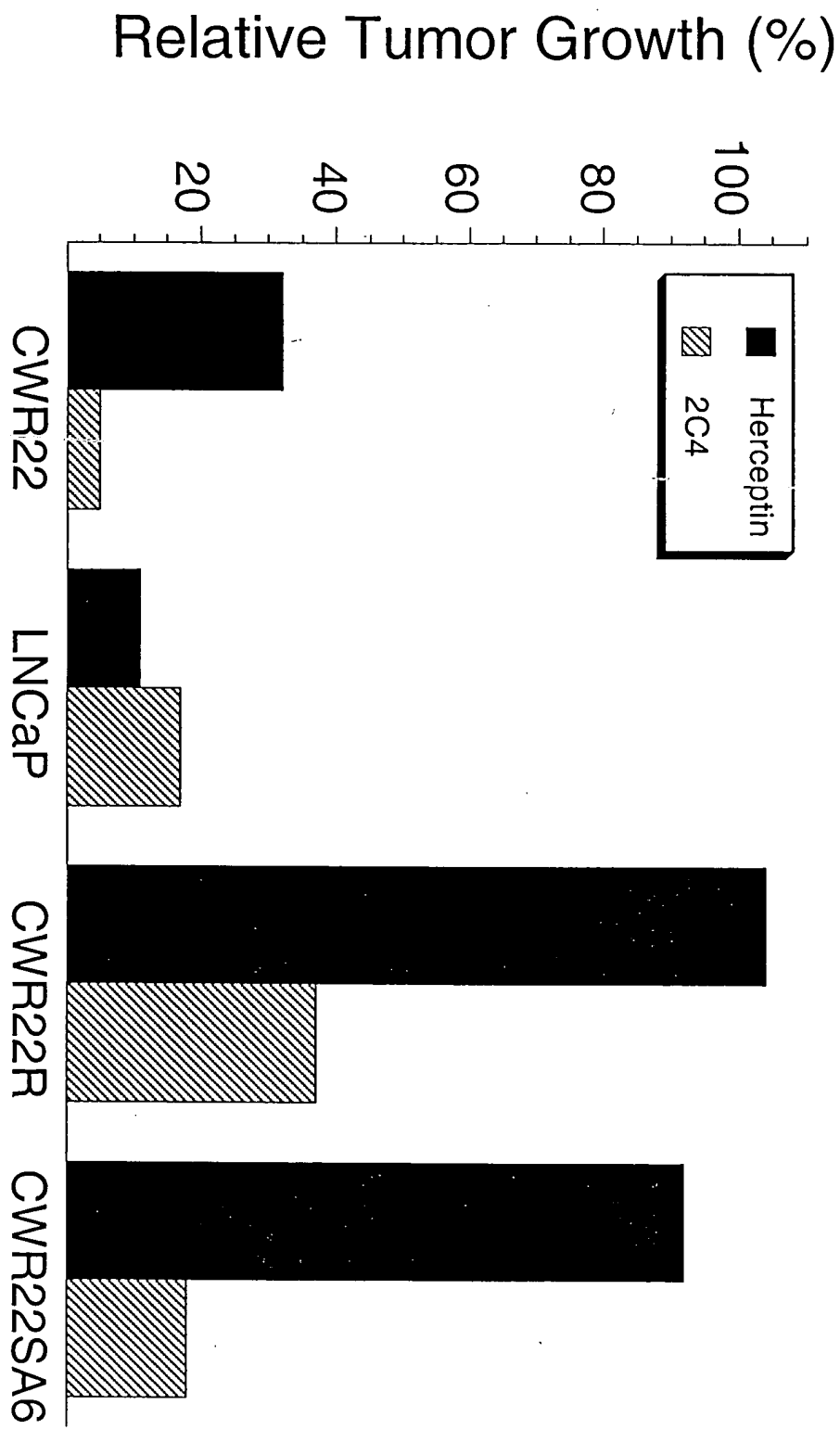


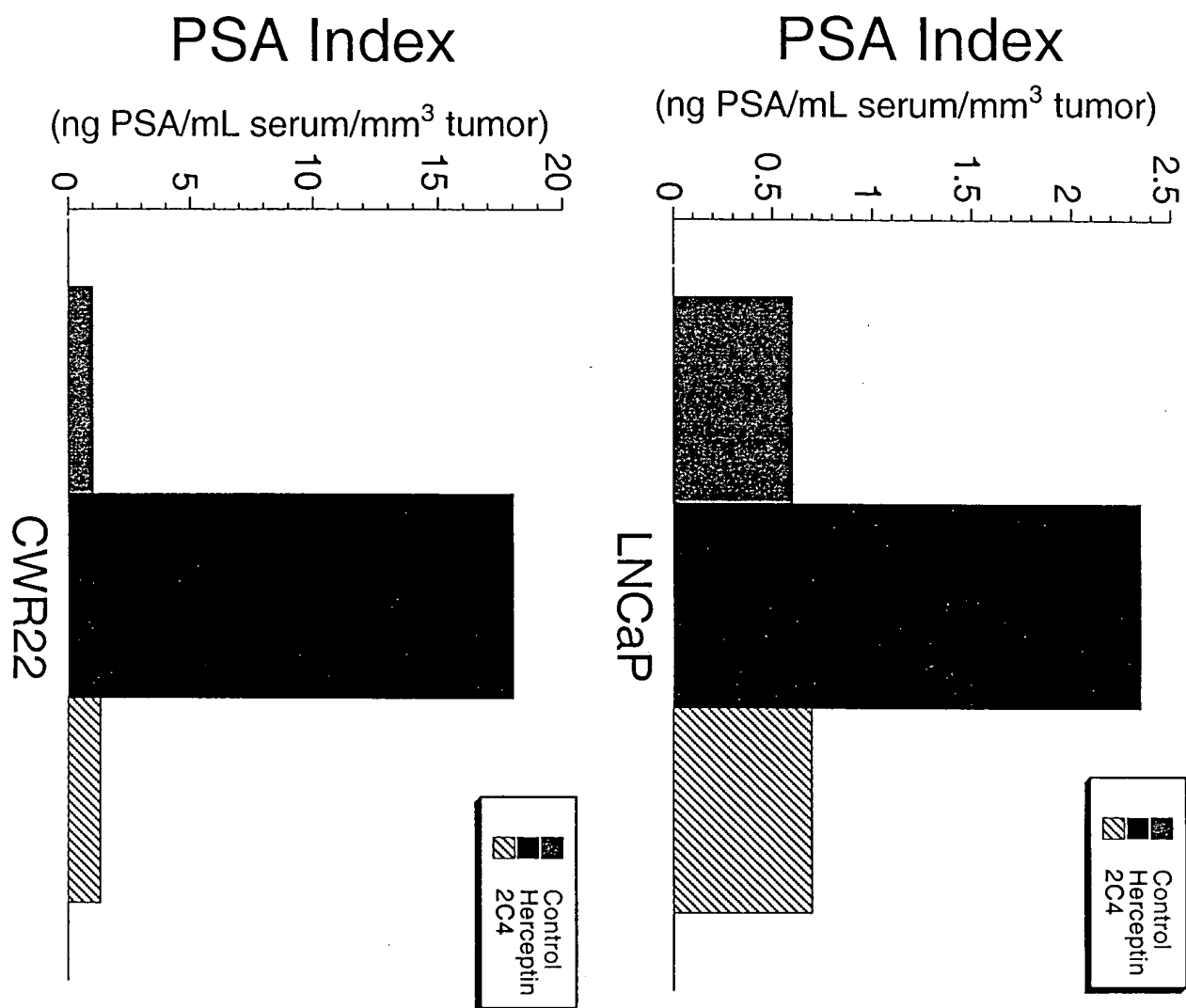
Fig. 20

Fig. 21

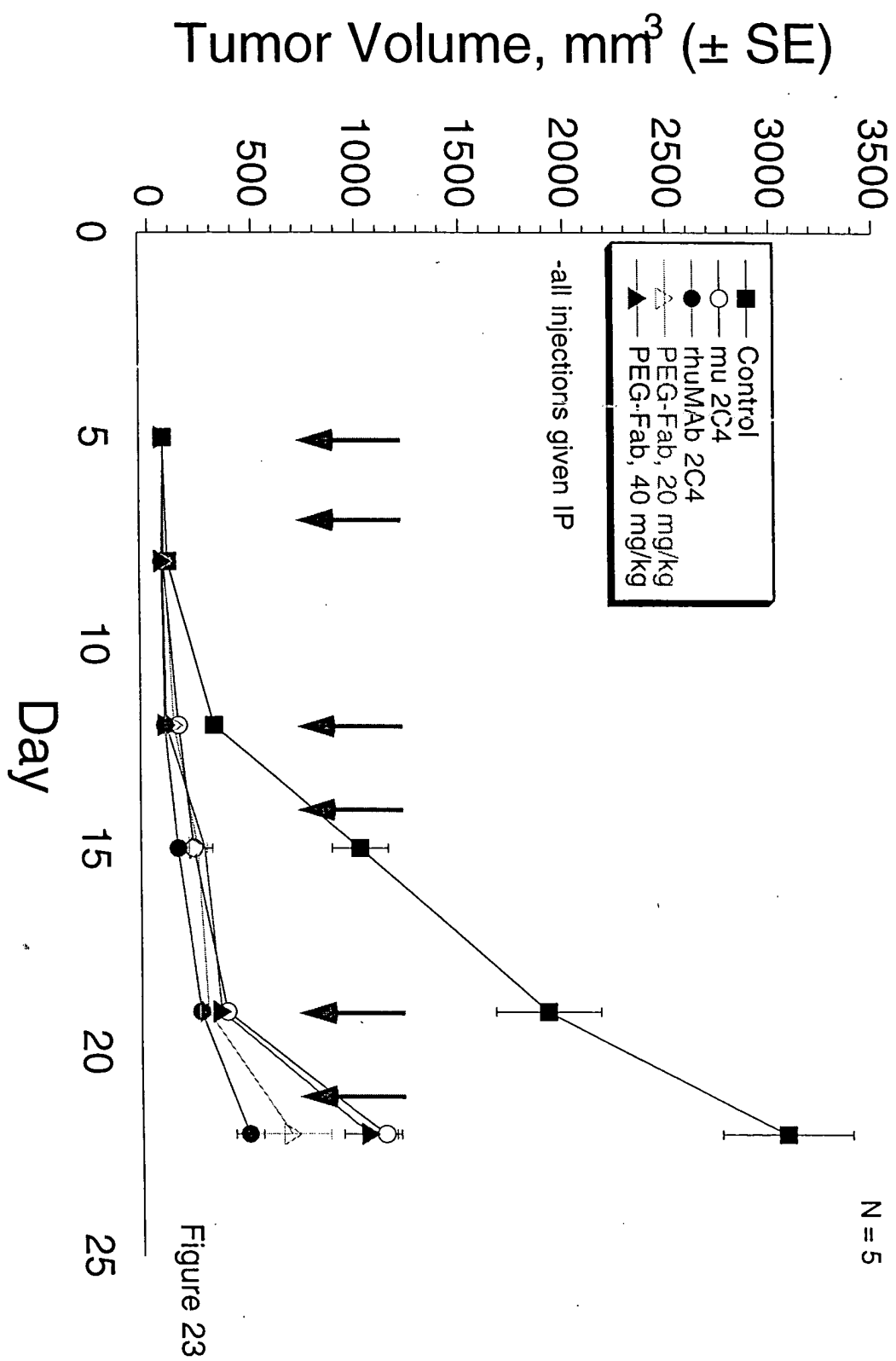


091602300.062300

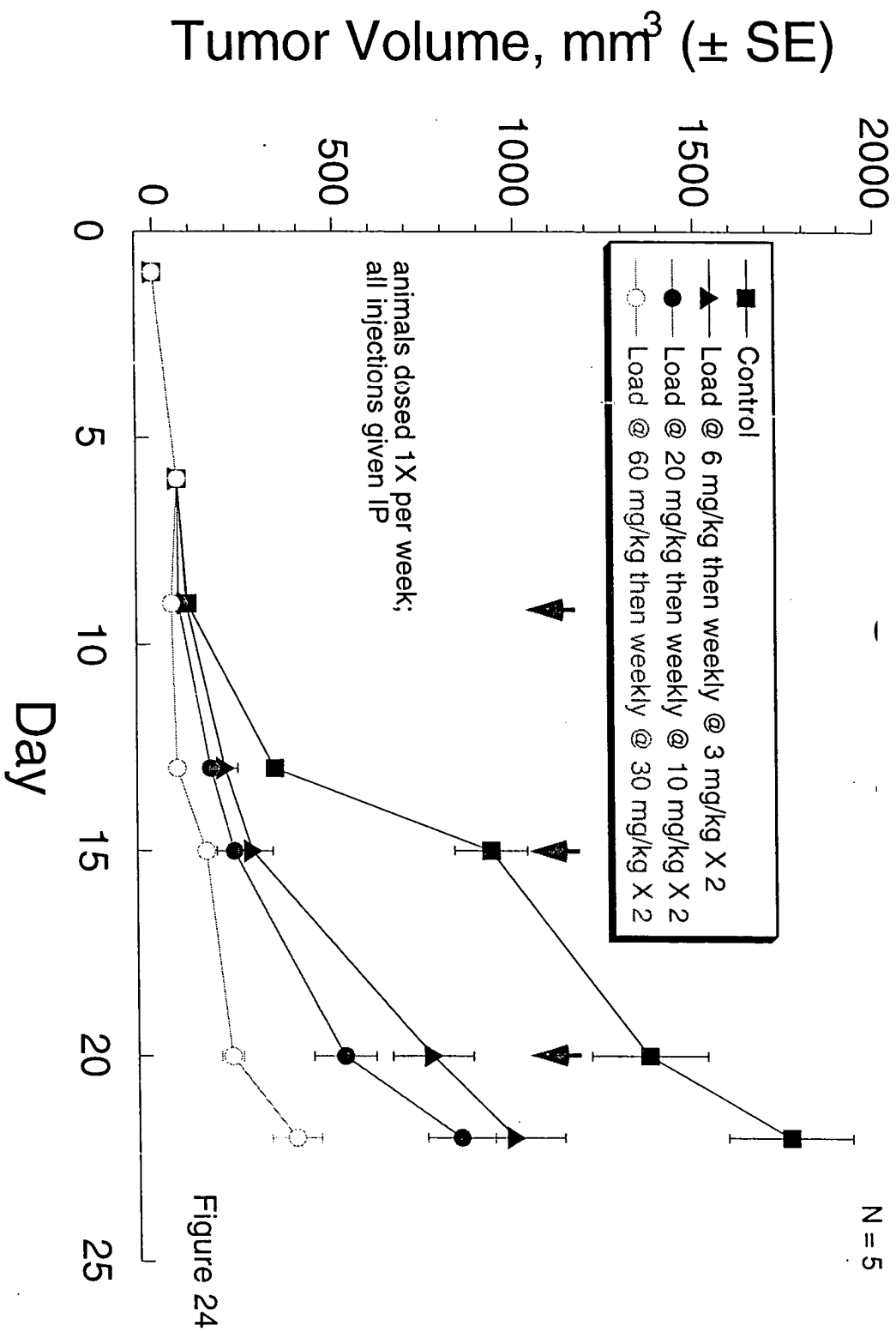
Fig. 2a



09502800 052300



091502300.0613300



09602800 062300

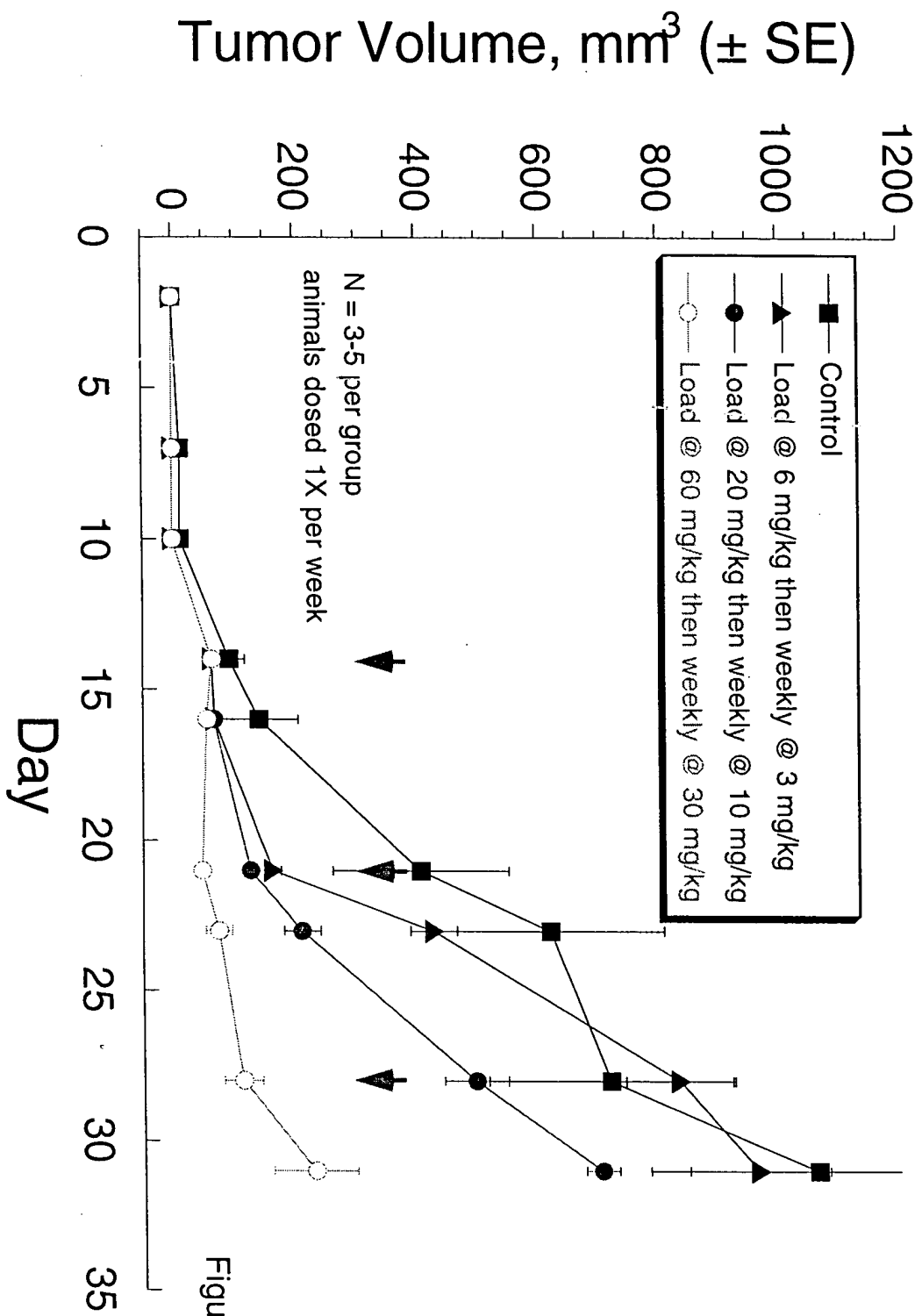
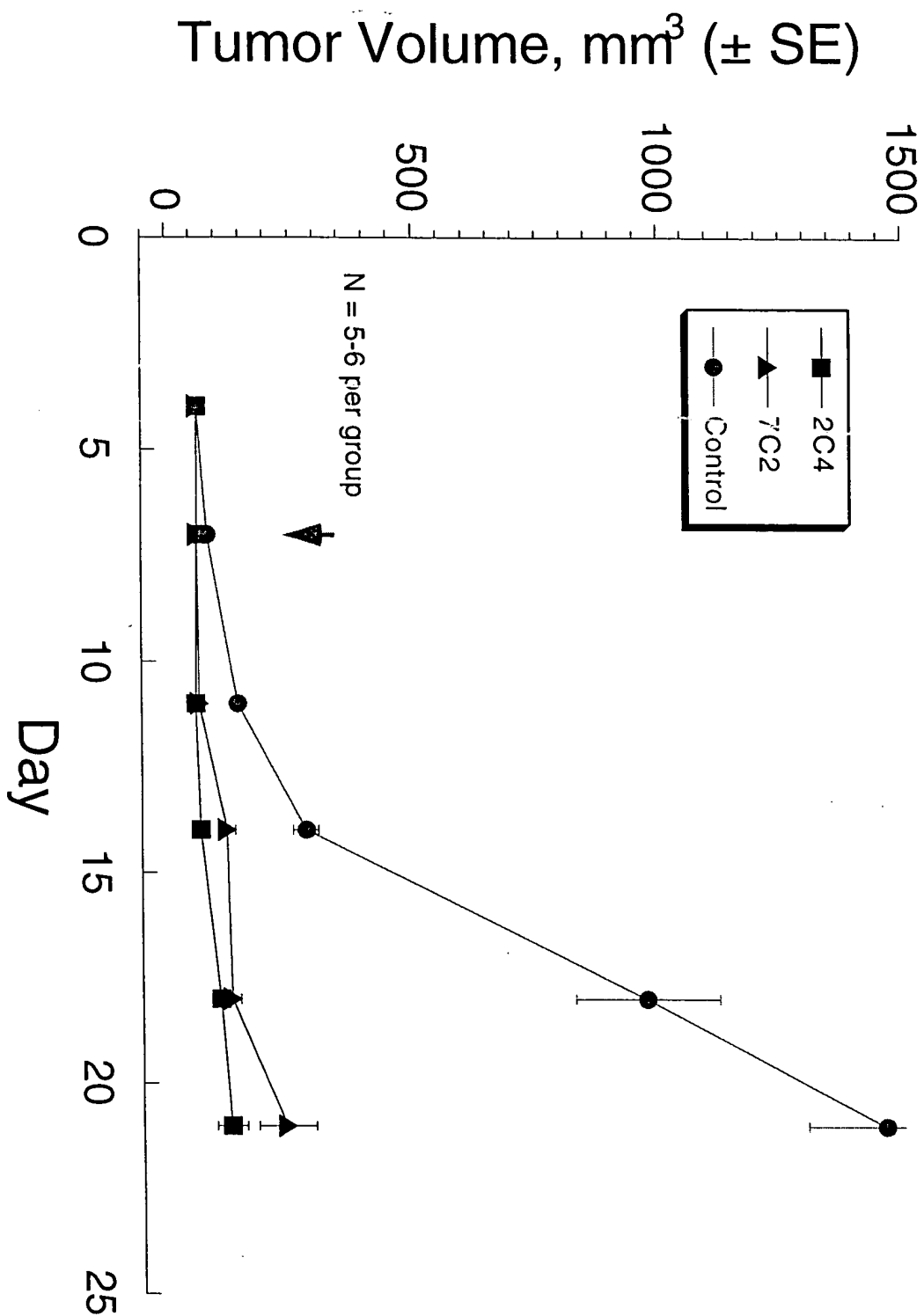


Figure 25

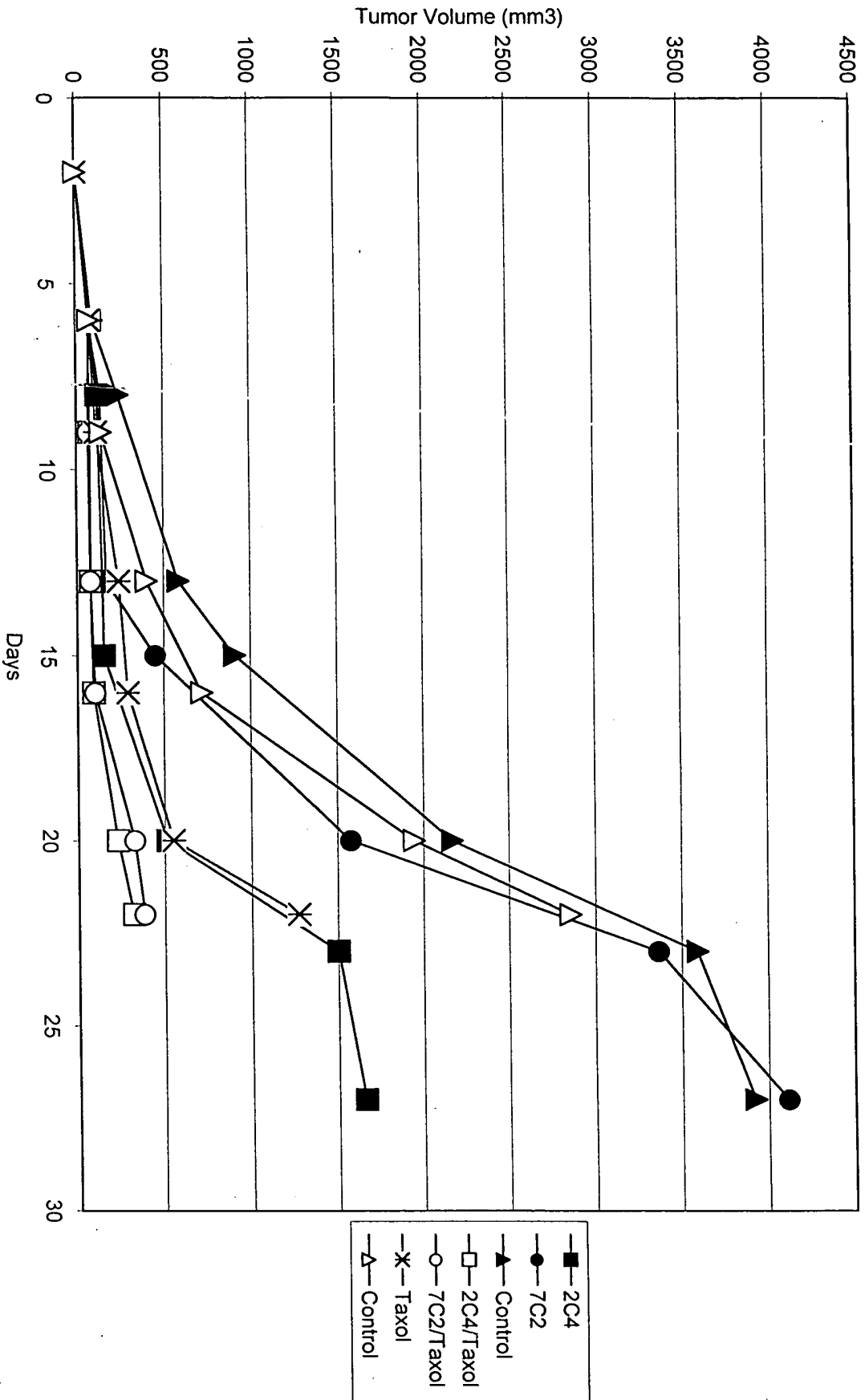
09022000 062300

Fig. 26



091502300.062300

Fig. 27



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